

Part no. DX-EMC34-100-L
 Article no. 174611
 Catalog No. DX-EMC34-100-L

Delivery program

Description			three-phase low leakage current
Mains voltage (50/60Hz)	U_{LN}	V	max. 520 + 10%
Rated operational current	I_e	A	100
For use with			DA1
Degree of Protection			IP20
Connection type			Screw terminal, PE stud
Weight	m	kg	5,2
Notes			Separate mounting

Technical data

General

Standards			EN 50178, IEC 61800-3, EN 61800-3 incl. A11
Environmental conditions			
Altitude		m	Up to 2000 m a.s.l.; observe drating at higher altitudes
Degree of Protection			IP20

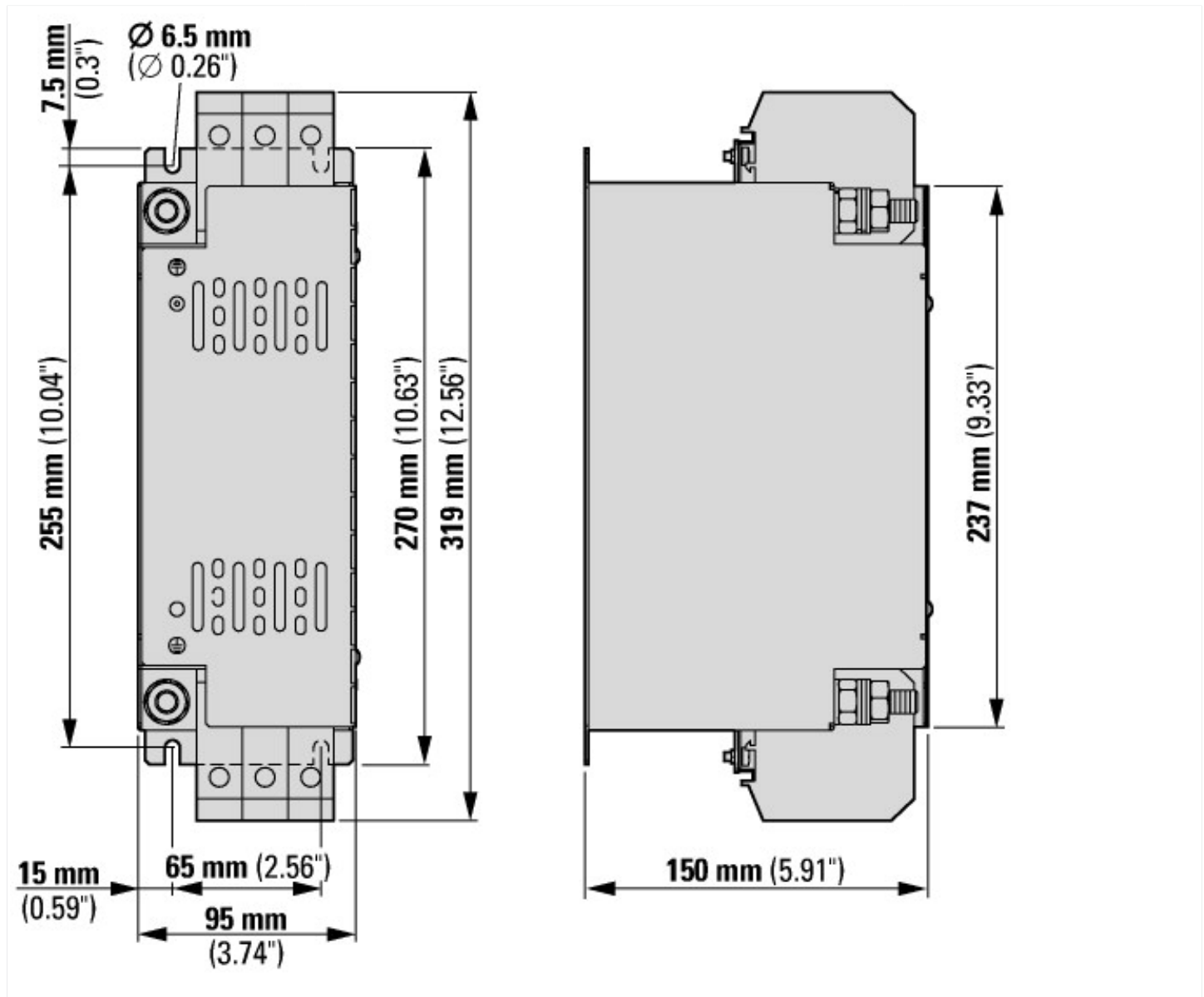
Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	100
Equipment heat dissipation, current-dependent	P_{vid}	W	60
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	50
Degree of Protection			IP20
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			
			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			
			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			
			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			
			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			
			Meets the product standard's requirements.
10.2.5 Lifting			
			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			
			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			
			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			
			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			
			Meets the product standard's requirements.
10.5 Protection against electric shock			
			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			
			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			
			Is the panel builder's responsibility.
10.8 Connections for external conductors			
			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			
			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			
			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			
			Is the panel builder's responsibility.
10.10 Temperature rise			
			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			
			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			
			Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Approvals

Product Standards	UL 1283
UL File No.	E192040
North America Certification	UL listed, certified by UL for use in Canada

Dimensions



Additional product information (links)

IL04012018Z*.pdf Radio interference suppression filter for PowerXL

IL04012018Z*.pdf Radio interference suppression filter for PowerXL ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04012018Z2016_06.pdf

MN04020005Z DA1 variable frequency drives, Installation manual

MN04020005Z DA1 variable frequency drives, Installation manual - Deutsch ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020005Z_DE.pdf

MN04020005Z DA1 variable frequency drives, Installation manual - English ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020005Z_EN.pdf

MN040002 PowerXL DG1 Series VFD, Installation Manual

MN040002 PowerXL DG1 Series VFD, Installation Manual - Deutsch ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN040002_DE.pdf

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